

# Geoengineering - A techofix for the climate?

05 November 2025

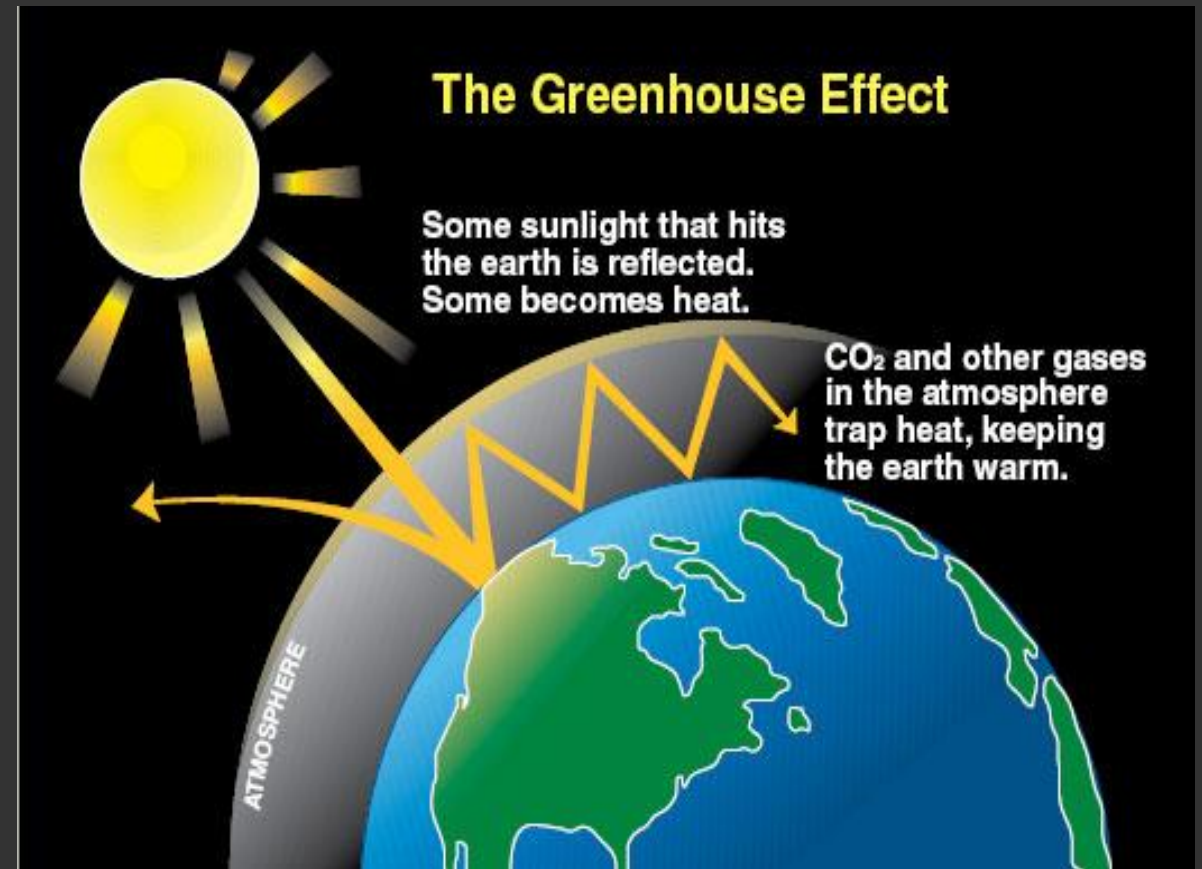
**Linda Schneider, Heinrich Boell Foundation**

# Geoengineering

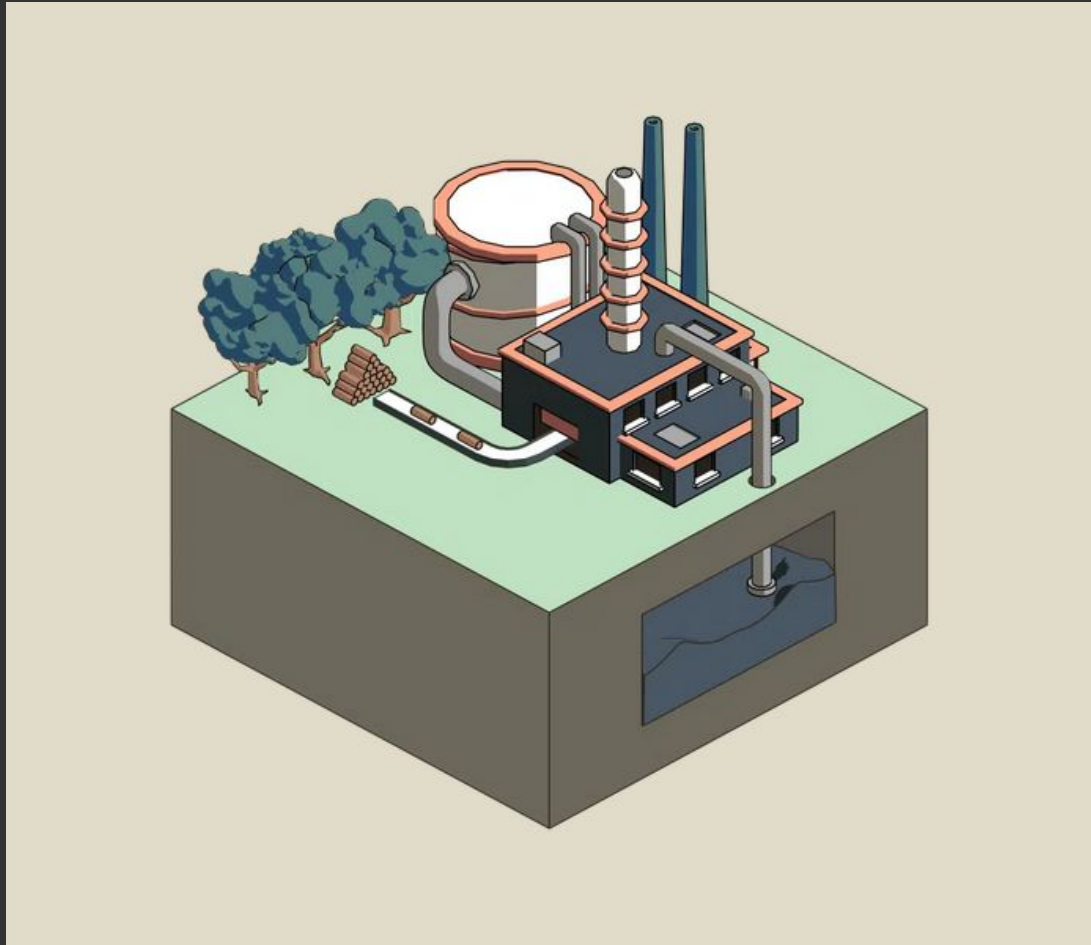
...Intentional, large-scale manipulation of the Earth systems (biosphere, oceans, atmosphere), to counteract or suppress some symptoms of climate change

...can be done on land, in the oceans and in the atmosphere

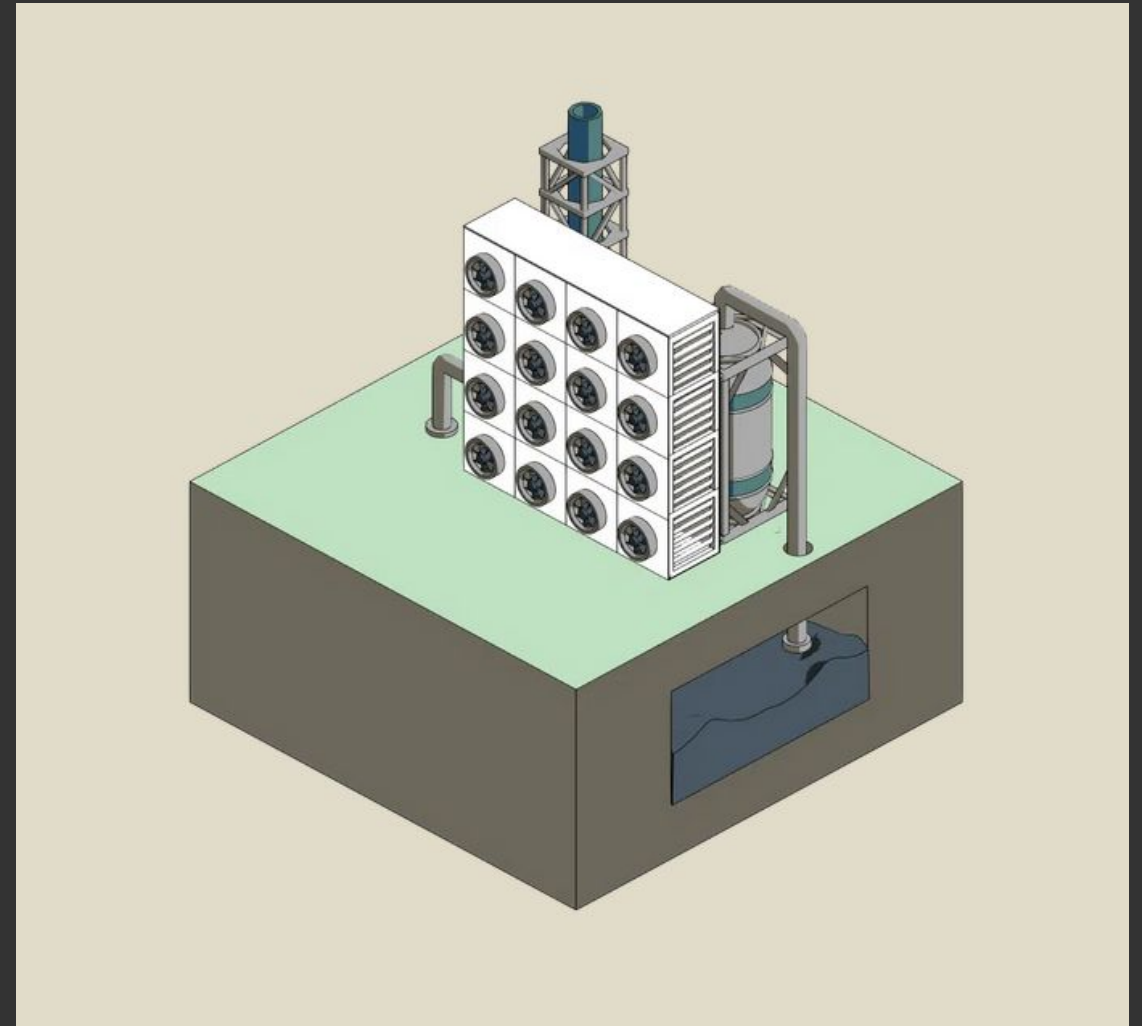
...Carbon Dioxide Removal (CDR)  
...Solar Radiation Management (SRM)



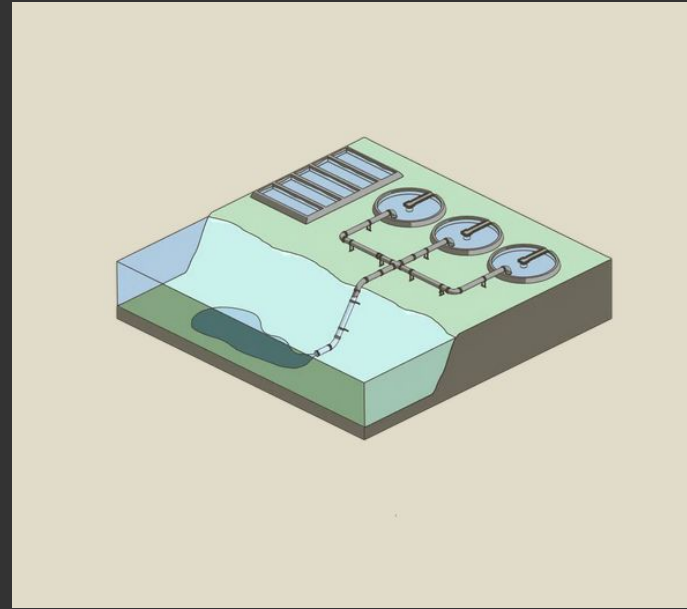
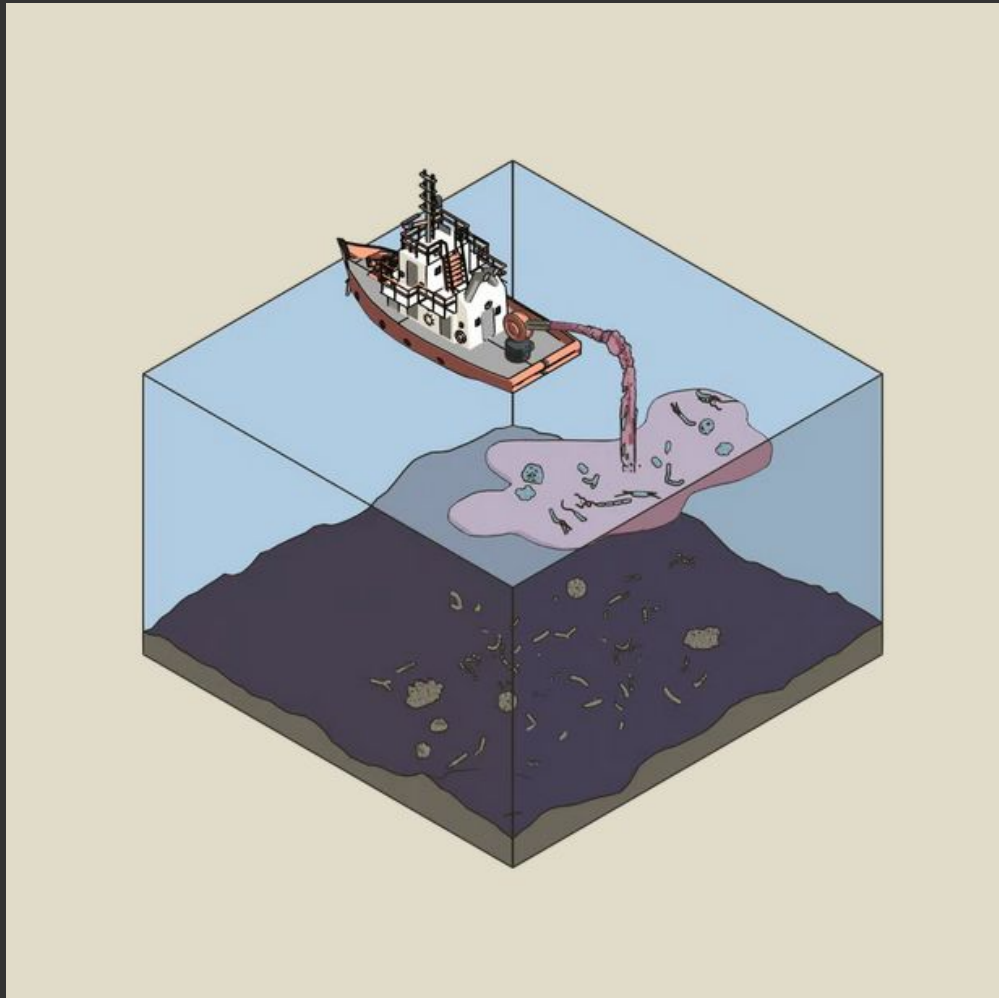
Bioenergy with Carbon Capture and Storage (CCS)



Direct Air Capture (DACCS)

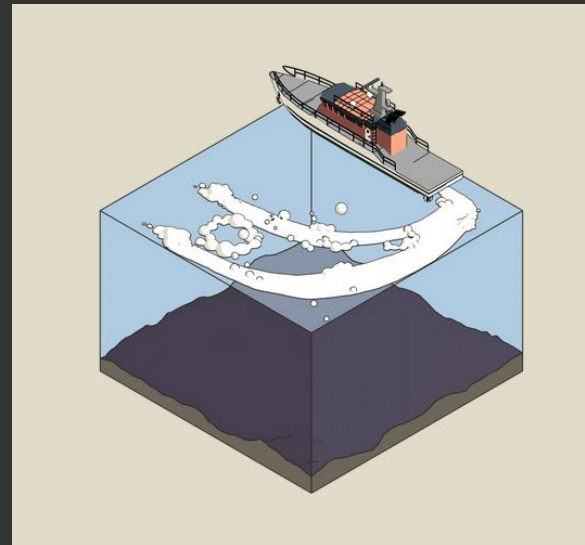


Ocean Fertilization (OF)



Ocean Alkalinity Enhancement (OAE)

+ Direct Ocean Capture (DOC)



Microbubbles and Seafoam (SRM)



Marine Cloud Brightening (MCB)



Stratospheric Aerosol Injection (SAI)

# Why is geoengineering a false solution?

- Large-scale technological intervention in fragile ecosystems, adding stress and pressure on land, water, ecosystems, people, with known and unknown consequences
- Severe risks and impacts associated with each technology, especially at the massive scale needed for climate impact
- Threaten human rights, Indigenous Peoples' rights, land rights
- In some cases: untestable and ungovernable

# Why is geoengineering a false solution?

- Diverts attention from real and proven solutions to climate crisis
- Driven by carbon markets and profits
- Attempts to uphold a failed status quo (FF industry, tech billionaires etc)
- Exacerbate inequality, injustice and climate colonialism

# Current trends in geoengineering

- Implementation of Carbon Dioxide Removal through carbon markets (Article 6, regional and national levels)
- Land-based CDR very accepted, marine CDR still somewhat contentious. Implementation will show inefficacy
- Solar geoengineering: window of opportunity for regulation
- „Cooling credits“ as a way of incorporating solar geoengineering into existing climate regime
- Role of breaching 1.5°C and tipping points in the climate system

Website: <https://handsoffmotherearth.org/>

## Hands Off Mother Earth Alliance

The Hands Off Mother Earth (HOME) Alliance is an inclusive alliance of civil society groups, Indigenous Peoples' Organizations (IPOs), human rights, grassroots, climate justice and feminist groups and advocates that oppose and work to reject all forms of geoengineering – the large-scale technological manipulation of the Earth's systems and climate – as a false solution and a dangerous distraction to the climate and biodiversity crises.



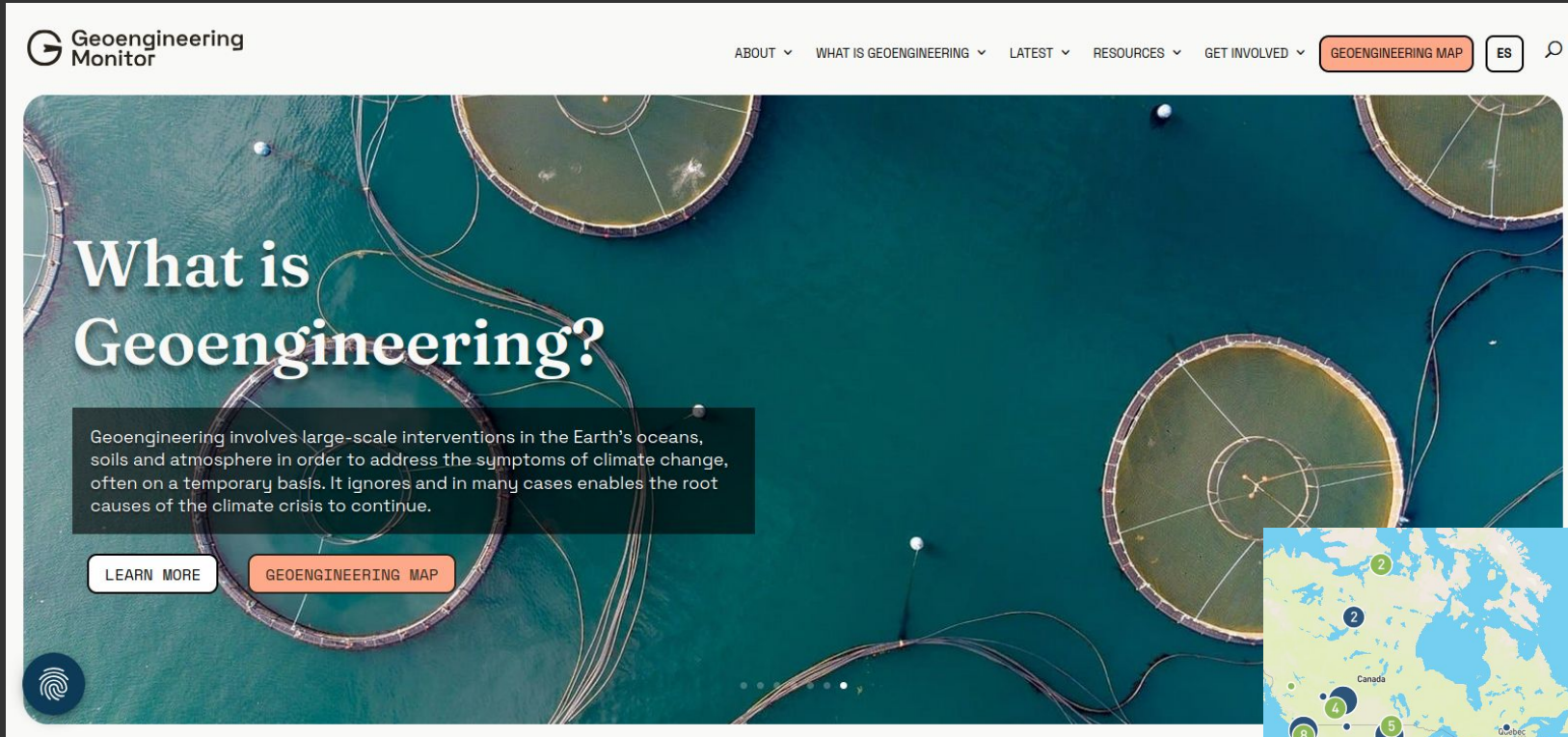
Solar  
Geoengineering  
Non-Use Agreement



We call for an International Non-Use Agreement  
on Solar Geoengineering

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Website: <https://www.solargeoeng.org/>



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